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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/804,595	03/12/2001	Qiming Chen	10005120-1	1908

7590 01/11/2005  
HEWLETT-PACKARD COMPANY  
Intellectual Property Administration  
P.O. Box 272400  
Fort Collins, CO 80527-2400

EXAMINER

JACOBS, LASHONDA T

ART UNIT	PAPER NUMBER
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2157

DATE MAILED: 01/11/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

09/804,595

Applicant(s)

CHEN ET AL.

Examiner

LaShonda T Jacobs

Art Unit

2157

-- Th MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 04 October 2004.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☐ Claim(s) \_\_\_\_\_ is/are pending in the application.  
4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-8 and 13-20 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on March 12, 2001 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

## **DETAILED ACTION**

### ***Response to Amendment***

This is a Final Office Action in response to Applicants Amendment filed on October 4, 2004.

Claims 1 and 13 have been amended. Claims 1-8 and 13-20 are presented for further examination.

### ***Drawings***

1. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they include the following reference sign(s) not mentioned in the description: not reference numeral 224 of Figure 2. A proposed drawing correction, corrected drawings, or amendment to the specification to add the reference sign(s) in the description, are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

### ***Claim Rejections - 35 USC § 103***

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-8 and 13-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lange et al (hereinafter, "Lange", U.S. Pat. No. 6,163,794) in view of Trzcinko et al (hereinafter, "Trzcinko", U.S. Pub. No. 2003/0200301).

Art Unit: 2157

As per claim 1, Lange disclose a method of communicating between a client computer process and an agent computer program comprising the steps of:

- (a) receiving a request for at least one web page associated with the agent computer program (col. 18, lines 44-60); and
- (b) in response to the request, using the web server to provide the requested web page for use by the client computer process to receive information from the agent computer program or to issue an instruction to the agent computer program (col. 18, lines 44-60).

However, Lange does not explicitly disclose:

- said web server embedded within said agent computer program.

Trzcinko discloses a web-based network management system including:

- said web server embedded within said agent computer program (abstract, paragraphs 0014, 0017, 0027, 0030-0031, 0037-0040; Trzcinko discloses a network device (desktop computer, printer, handheld device, etc.) that has an embedded web server and to provide management information about a device).

Given the teaching of Trzcinko, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Lange by incorporating an embedded web server within the agent computer to process HTTP requests and provide management information about a device in a timely and efficient manner.

As per claim 13, Lange discloses an agent computer program comprising:

- (a) a mechanism for enabling communication between the agent computer and at least one other computer process (col. 12, lines 20-45 and col. 18, lines 44-60); and

Art Unit: 2157

(b) an inter-agent communication mechanism for enabling the agent computer program to communicate with other agents; wherein the inter-agent communication mechanism employs documents written in a predetermined markup language (col. 8, lines 39-44 and col. 18, lines 44-60).

However, Lange does not explicitly disclose:

- wherein the mechanism and the inter-agent communication mechanism do not require human interaction.

Trzcinko discloses a web-based network management system including:

- wherein the mechanism and the inter-agent communication mechanism do not require human interaction (abstract, paragraphs 0014, 0017, 0027, 0030-0031, 0037-0040).

Given the teaching of Trzcinko, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Lange by incorporating an embedded web server within the agent computer to process HTTP requests and provide management information about a device in a timely and efficient manner.

As per claim 2, Lange further discloses:

- using the web server to provide the requested web page for use by the client computer process to issue an instruction to the agent computer program (col. 14, lines 48-57, col. 17, lines 19-34 and col. 18, lines 44-60); and
- modifying the behavior or status of the agent computer program based on the instruction (col. 18, lines 44-67 and col. 19, lines 1-4).

As per claim 3, Lange further discloses:

Art Unit: 2157

- the client process initiating contact with the agent computer program by utilizing a web address of at least one web page of the agent computer program (col. 18, lines 44-60).

As per claim 4, Lange further discloses:

- the agent computer program initiating contact with the client computer process by specifying a web address associated with the client process (col. 18, lines 44-67 and col. 19, lines 1-4); and
- agent computer program requesting approval of the client computer process for a proposed action by the agent computer program (col. 9, lines 42-53).

As per claims 5 and 17, Lange discloses:

- wherein the agent computer program includes a profile web page for providing static information associated with the agent computer program (col. 12, lines 20-45).

As per claims 6 and 18, Lange discloses:

- wherein the agent computer program includes a status web page for providing dynamic information associated with the agent computer program (col. 12, lines 20-45 and col. 18, lines 44-60).

As per claims 7 and 19, Lange discloses:

- wherein the agent computer program includes an instruction web page for receiving at least one instruction from the client computer process (col. 12, lines 20-45 and col. 18, lines 44-60).

As per claims 8 and 20, Lange discloses:

- wherein the method is utilized by dynamic agent computer program in an automated electronic commerce infrastructure (col. 8, lines 57-65).

Art Unit: 2157

As per claim 14, Lange discloses:

- a web server embedded in the agent computer program for using a predetermined Internet communication protocol to communicate with the computer process; wherein the web server process incoming and outgoing data that is formatted according to the predetermined Internet communication protocol (col. 14, lines 48-57 and col. 17, lines 19-50); and
- at least one web page associated with the agent computer program for use by a computer process to communicate information therewith (col. 18, lines 44-60).

As per claim 15, Lange discloses:

- wherein predetermined Internet communication protocol is the Hypertext Transport Protocol (HTTP) (col. 18, lines 49-53).

As per claim 16, Lange discloses:

- wherein the predetermined markup language is the extensive markup language (XML) (col. 8, lines 39-44).

### ***Response to Arguments***

4. Applicant's arguments with respect to claim 1-8 and 13-20 have been considered but are moot in view of the new ground(s) of rejection.

### ***Conclusion***

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

U.S. Pub. No. 2002/0072998 to Haines et al

Art Unit: 2157

6. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to LaShonda T. Jacobs whose telephone number is 703-305-7494. The examiner can normally be reached on 8:30 AM - 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ario Etienne can be reached on 703-308-7562. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

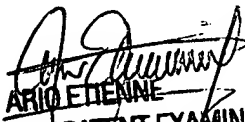


Art Unit: 2157

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

LaShonda T. Jacobs  
Examiner  
Art Unit 2157

ltj  
January 7, 2005

  
ARIO ETIENNE  
SUPERVISORY PATENT EXAMINER  
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